

Amendments to the Claims:

Please amend the claims as follows. No new matter has been added by way of these amendments. Please cancel claims 1-7 and 13-27.

Listing of the Claims:

This listing of the claims will replace all prior versions, and listings, of the claims in the application.

8. (Original) An electromagnetic tomography system for determining properties of a geological formation penetrated by at least one borehole lined with a conductive tubular, comprising:
 - a first transmitter adapted to induce a magnetic field in the geological formation;
 - a receiver disposed in the at least one borehole and adapted to detect the magnetic field induced in the geological formation by the first transmitter; and
 - a second transmitter disposed in the same borehole as the receiver at a distance from the receiver selected so that the receiver is mainly sensitive to a magnetic field induced in the conductive tubular by the second transmitter.
9. (Original) The electromagnetic tomography system of claim 8, wherein the distance between the receiver and second transmitter is no more than 0.5 meters.
10. (Original) The electromagnetic tomography system of claim 8, wherein the first transmitter is disposed in the same borehole as the receiver at a distance selected so that the receiver is primarily sensitive to the magnetic field induced in the geological formation by the first transmitter.
11. (Original) The electromagnetic tomography system of claim 10, wherein the distance between the receiver and the first transmitter is at least 10 meters.

12. (Original) The electromagnetic tomography system of claim 8, wherein the first transmitter is disposed in a second borehole.